

FIG. 1

009240:50865560

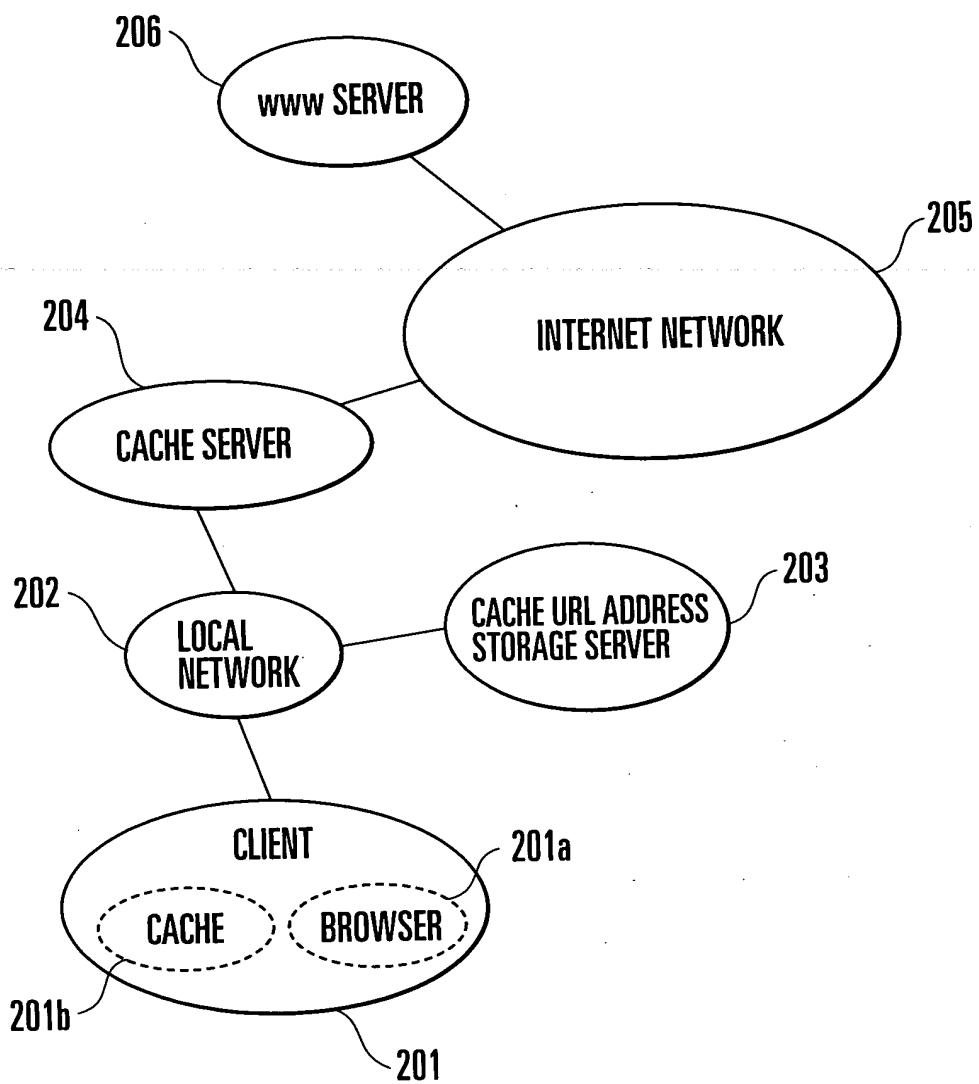


FIG. 2

The diagram shows a block labeled **CACHE SERVER** with a reference numeral **204**. Inside the server block, there are four sub-sections arranged vertically, each connected to the main server block by a line. These sub-sections are labeled as follows:

- TARGET ADDRESS ACCESS RATE DETECTING SECTION** (labeled **204a**)
- ELAPSED TIME MEASURING SECTION** (labeled **204b**)
- HOME PAGE DATA CACHE SECTION** (labeled **204c**)
- CACHE COMPARING SECTION** (labeled **204d**)

**CACHE URL ADDRESS STORAGE SERVER** (203)

- CYCLIC URL ADDRESS ACCEPTING UNIT** (203a)
- CYCLIC URL ADDRESS LIST RETAINING SECTION** (203b)
- CLIENT ID MANAGING SECTION** (203c)

FIG. 4

ACCESS LIST

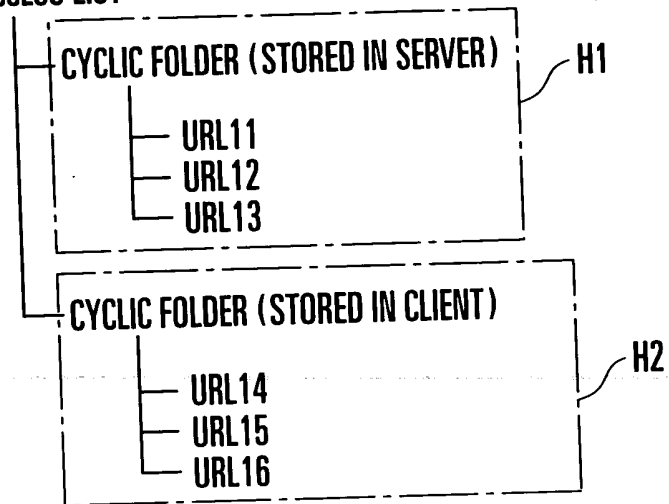


FIG. 5

ACCESS LIST

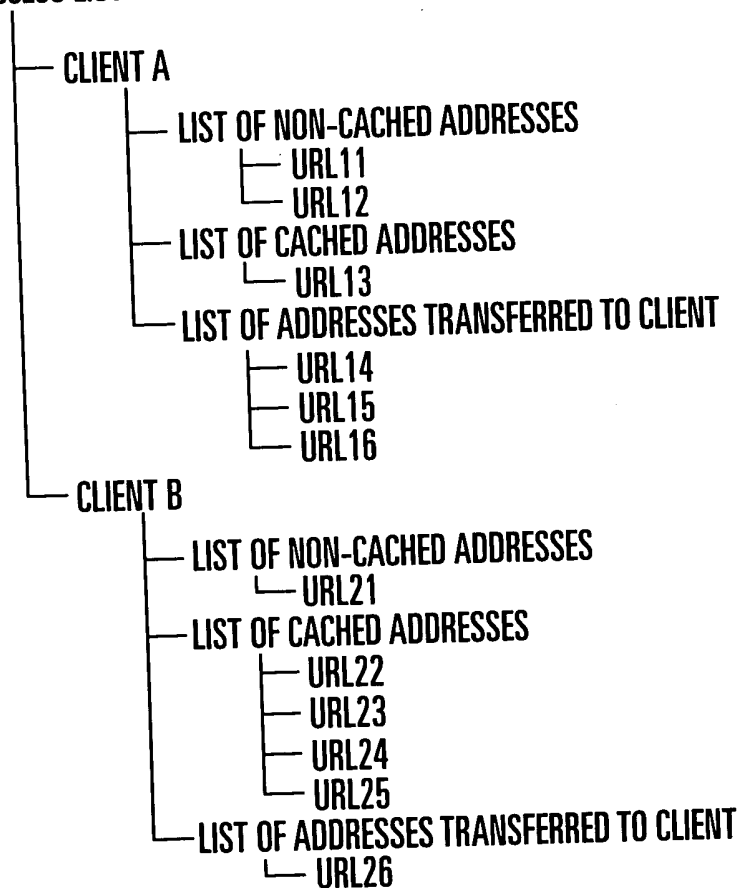


FIG. 6

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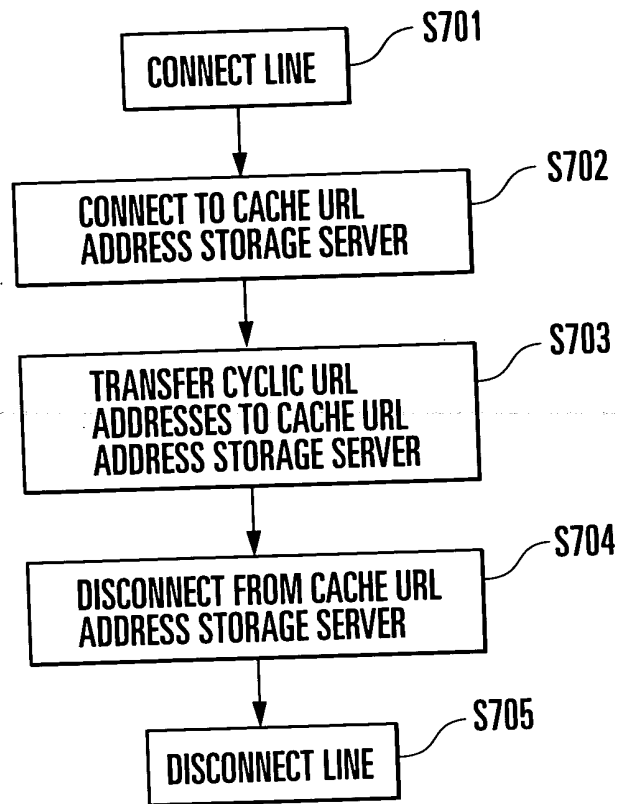


FIG. 7

WELCOME TO HOME PAGE CYCLIC CACHE SERVER

- PLEASE INPUT ADDRESSES OF HOME PAGES YOU WANT TO CIRCULATE

<http://www.address1.co.jp/index.htm>

<http://www.address2.com/index.html>

<http://www.address3.or.jp/url/start.htm>

FIG. 8

The diagram illustrates a network architecture for content delivery. At the top, an **INTERNET NETWORK** (914) is connected to three **WWW SERVER** nodes (915, 916, 917). It also connects to two **CACHE SERVER** nodes (909, 913). The left **CACHE SERVER** (909) is linked to a **LOCAL NETWORK** (907), which in turn connects to an **ACCESS SERVER** (906) and a **PUBLIC NETWORK** (904). The right **CACHE SERVER** (913) is linked to a **LOCAL NETWORK** (911), which connects to an **ACCESS SERVER** (910). Both **ACCESS SERVER** nodes (906, 910) are connected to a central **WIRELESS NETWORK** (905). A **CACHE URL ADDRESS STORAGE SERVER** (908) is connected to both **LOCAL NETWORK** nodes (907, 911). The **WIRELESS NETWORK** (905) is connected to a **BASE STATION** (903) and two **CLIENT** nodes (901, 902). Each **CLIENT** node contains a **CACHE** (901b, 902b) and a **BROWSER** (901a, 902a) component. The **BASE STATION** (903) is shown with an antenna and a lightning bolt symbol, indicating wireless communication.

FIG. 9